



Department of Energy

**Ohio Field Office
Fernald Area Office**
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



3253

SEP 14 2000

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-1011-00

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF AUGUST 1, 2000
THROUGH AUGUST 31, 2000**

This letter transmits the amended Consent Agreement Monthly Report for the period of August 1, 2000 through August 31, 2000. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the Fernald Environmental Management Project (FEMP) Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Reising

Enclosure

Mr. James A. Saric
Mr. Tom Schneider

-2-

SEP 14 2000

cc w/enclosure:

N. Hallein, EM-31, CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
T. Hagen, Fluor Fernald, Inc./65-2
M. Jewett, Fluor Fernald, Inc./52-2
T. Walsh, Fluor Fernald, Inc./65-2
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./2
J. Harmon, Fluor Fernald, Inc./90
S. Hinnefeld, Fluor Fernald, Inc./31
B. Irvine, Fluor Fernald, Inc./65-2
R. McDonough, Fluor Fernald, Inc./31
T. Poff, Fluor Fernald, Inc./65-2
ECDC, Fluor Fernald, Inc./52-7

3253

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from August 1, 2000 through August 31, 2000. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

August 2000

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Processed 11,939 tons of material from waste pits
 - Shipped 120 railcars (12,908 tons) of material for disposal at Envirocare

September 2000 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None
- Major Work to be Initiated/Continued/Completed
 - Process 2,000 tons of material from waste pits
 - Ship 60 railcars (6,400 tons) of material for disposal at Envirocare
 - Improve airborne radiation control

**OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND
EXCAVATION PROJECT**

**Additional OU2 soils-related activities reported under OU5/Soils
Characterization and Excavation Project**

August 2000

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None
- Soil Characterization and Excavation Project (SCEP)
 - Draft Area 9, Phase II Certification Design letter (CDL)
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Began the Construction Laydown Area and Access Road project
 - Began construction of Material Transfer Area Expansion for bulk debris storage
 - Continued placement of impacted material in Cells 2 and 3
 - Began preformance testing for Cell 1 clay cap material including placement of 3 feet of select material in Cell 1

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000**

- Conducted Pre-Bid Conference on August 1, 2000 for the OSDF Phase III Construction of Cell 1 Final Cover System
- Received bids for Cell 1 Final Cover System on August 24, 2000
- Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase III
 - Transmitted Final Certification Design Letter and project Specific Plan Part II to DOE on August 23, 2000
 - Area 2, Phase I
 - Continued excavation of Impacted material
 - Received OEPA approval of the Active Flyash Pile Certified Design Letter and Project Specific Plan (PSP) on August 9, 2000
 - Area 2, Phase II
 - Completed physical sampling and began geophysical surveying for predesign
 - Received OEPA conditional approval (August 7, 2000) and USEPA approval (August 10, 2000) on the Draft Carolina Area Integrated Remedial Design Package
 - Area 2, Phase III
 - Submitted Certification Report, Part Two, Revision B to DOE on August 3, 2000
 - Area 3A/4A
 - Submitted draft Waste Acceptance Criteria Attainment Report for Western Section of Stockpile 1 to DOE on August 14, 2000; Eastern Section of Stockpile 1 is currently accepting waste
 - Received OEPA approval of Revised PSP for Sampling Area 3A Miscellaneous Stockpile for OSDF Waste Acceptance Criteria Attainment on August 8, 2000
 - Other Areas/Programs
 - Transmitted Ecological Restoration Research Plan, regarding Area 8, Phase II, to DOE on August 1, 2000
 - Received Agency approval of Area 9 Phase I Project Specific Plan for Supplemental Background Soil Study on August 16, 2000
 - Transmitted draft Project Specific Plan for Paddy's Run and Adjacent Area Real-Time Scan to DOE on August 25, 2000
 - Conducted debris pickup within Paddy's Run on August 23, 2000

September 2000 (Anticipated)

- Enforceable Milestones
 - None

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000**

- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Complete placement of Cell 1 select impacted material
 - Continue placement of impacted material in Cells 2 and 3, and start Cell Activities
 - Continue Material Transfer Area Expansion Project
 - Evaluate Construction Contract bids for OSDF Phase III Cell 1 Final Cover System
 - Soil Characterization and Excavation Project (SCEP)
 - Area 2 Phase I
 - Finish excavation in the Southern Waste Units
 - Begin Excavation in the Carolina Area
 - Area 8 Phase III
 - Submit Certification Report to DOE by September 15, 2000
 - Real Time Working Group
 - Real Time Working Group meeting to be held on September 21, 2000, to discuss Calibration Pad Study and other topics

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

August 2000

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Continued building release cleaning - Asbestos- Containing Material (ACM) abatement and equipment removal in the areas of Plant 5 and Plant 6
 - Continued interior demolition, ACM floor tile removal in Buildings 28A and B
 - Directed D&D planning activities and supported field activities

September 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Continue building release cleaning and equipment removal in Plant 5 area
 - Continue ACM removal and interior demolition in Plant 6 area
 - Complete ACM and interior demolition in Buildings 28A and B
 - Direct D&D planning activities and support field activities

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000

OPERABLE UNIT 4 - SILOS PROJECT

August 2000

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Responded to USEPA and OEPA comments on the Remedial Design Package for the Silo 3 Project.
 - Received comments on the Silos 1 and 2 Accelerated Waste Retrieval Project Remedial Design Package from the Agencies
 - Continued Site Preparation construction activities for the Silos 1 and 2 AWR Project. Completed installation of foundations for the Transfer Tank Area (TTA), Radon Control System (RCS) and Air Handling Buildings, and the exhaust stack and equipment area pads. Initiate preparation of the TTA Tank foundations
 - Continued Site Preparation construction activities for the Silo 3 Project. Installed the Gantry foundations and continued preparation and grading of the Interim Storage Area
 - Conducted a Silos Projects status briefing/ issue discussion meeting with OEPA and USEPA on August 15, 2000

September 2000 (Anticipated)

- Enforceable Milestones
 - The draft Remedial Design Workplan for Silos 1 and 2 Remedial Action is due to be submitted to USEPA for review and approval September 12, 2000
- Major Work to be Initiated/Continued/Completed
 - Respond to comments from the Agencies on the RD package for the Silos 1 and 2 AWR Project
 - Complete installation of the TTA tank foundations and other AWR project Site preparation construction activities
 - Conduct Fluor Fernald review of the Final design package for the Radon Control System
 - Continue Site Preparation construction activities for the Silo 3 Project - complete storm sewer installation, grading, and form work for the ISA Pad; initiate pre-loading of the gantry foundations

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000**

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

August 2000

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report to the OEPA on August 17, 2000
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Submitted the May 2000 Operation Report for the Re-Injection Demonstration on August 10, 2000 to DOE for transmittal to the Agencies. DOE transmitted to the Agencies on August 17, 2000
 - Submitted responses to OEPA comments on the Project Specific plan for Pumping Test, Pilot plant Drainage Ditch Area (August 2000) on August 28, 2000 to DOE for transmittal to the Agencies
 - Initiated Waste Storage Area Aquifer Well Pumping Test Project; as of August 28, 2000, Rotasonic drilling of seven observation wells and core drilling of control well was complete
 - Initiated southern portion of ARASA Basin Reroute Project; final approval was given by DOE and task order number assigned August 24, 2000. Orders for materials and equipment were placed on August 29, 2000

September 2000 (Anticipated)

- Enforceable Milestones
 - Submit the NPDES Discharge Monitoring Report to the OEPA
 - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work to be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Submit groundwater section of Integrated Environmental Status Report for Second Quarter 2000 to the Agencies

WASTE MANAGEMENT

August 2000

- Enforceable Milestones
 - None

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000

- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Packaged lab chemicals and fluorescent lamps for shipment to recycler
 - Liquid Mixed Waste (Bulking) Project
 - Shipped 3 shipments to TSCA Incinerator
 - Bulked a total of 238 containers into Batch 10
 - Completed rinsing of Batch 7 consolidation tank
 - Mixed Waste Shipping
 - Completed sampling of five drums and shipped to Envirocare on August 17, 2000
 - Neutralization/precipitation/Deactivation/Stabilization Project (NPDS)
 - Repackaging of NPDS thorium is in progress
 - Organic Treatment Project
 - Reviewing Fire Training Facility inventory for possible disposal at the OSDF
 - Thorium Legacy Waste Project (TLWP)
 - Preparing for startup of shipping activities for Thorium Residues
 - Waste Minimization/Pollution Prevention
 - Revising oil recycling RFP
 - Shipped two roll-offs of tires for off-site recycling

September 2000 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Finalize fluorescent lamp shipment
 - Prepare labpack chemicals for shipment during September
 - Liquid Mixed Waste (Bulking) Project
 - Resume shipments to the TSCA incinerator
 - Initiate task order to remove northern consolidation tank from the bulking area
 - Mixed Waste Shipping
 - Ship 150 candidate drums upon completion of additional sampling analysis and completion, submittal and approval of profile by Envirocare
 - Organic Treatment Project
 - Continue to resolve outstanding issues for First Article Testing with subcontractor
 - Finalize absorbent determinations
 - Initiate sampling and analysis request and task order request for Fire Training Facility

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT AUGUST 1, 2000 THROUGH AUGUST 31,
2000**

- Thorium Legacy Waste Project
 - Initiate shipment of Thorium Residues
 - Begin development of expression of interest for Thorium treatment
 - Begin evaluating readiness for movement and repackaging of recharacterized Thoria Gel